



KUT PLAST MS

Anti Corrosive Admixture For Concrete

ADM – 09 - 0104

DESCRIPTION

KUT PLAST MS is a synergistic blend of specially selected silica fume, superplasticising agents and dispersants in powder form. When the powder is added to ordinary concrete it reduces or eliminates attack by corrosive chemicals. **KUT PLAST MS** is a free flowing product that can be added practically free of dust. It improves the concrete quality significantly and leads additionally to a rebound reduction in the shotcrete method (both wet - and dry - mix process). **KUT PLAST MS** is thoroughly dispersed throughout the concrete reducing the pore structure and increasing the density of concrete.

USES

- ◆ **KUT PLAST MS** can be used for all concrete and shotcrete applications where a high quality is required.
- ◆ In shotcrete applications it is recommended to use **KUT PLAST MS** besides quality also for economical reasons (higher productivity, rebound reduction etc.).

ADVANTAGES

- ◆ Corrosion resistant.
- ◆ Excellent abrasion resistance.
- ◆ Carbonation resistant.
- ◆ Increased compressive and flexural strengths.
- ◆ Increased density and strength of concrete / shotcrete.
- ◆ Improved chemical resistance.
- ◆ Less rebound (also in dry - mix shotcrete).
- ◆ Free flowing product, dust - free dosing.
- ◆ Easily added at the batching plant without expensive installation.

STANDARDS

KUT PLAST MS contains Microsilica which conforms with international Microsilica standards including Norwegian Standard & Canadian Standards.

TYPICAL PROPERTIES

- ◆ **Form** : Densified Powder
- ◆ **Colour** : Grey
- ◆ **Bulk Density** : 560 - 660 kg/m³
- ◆ **SiO₂ content** : > 85%
- ◆ **PH Value** : Neutral
- ◆ **Thermal Stability** : - 10°C to + 50°C.
- ◆ **Physiological effect** : Neutral

INSTRUCTIONS FOR USE

Dosage : **KUT PLAST MS** is added to structural concrete at a dosage of 5 to 15% on cement weight. For maximum chemical protection the cement content should be 400 kg/m³. The maximum water / cement ratio should be 0.4. **KUT PLAST MS** can be added to ready mix concrete on site. It should be allowed to mix at least 2 minutes / m³ of concrete.

Compatibility : In order to get the best results it is recommended to use **KUT PLAST MS** with other **KUT PLAST** admixtures.

Curing : As with all structural concrete, normal curing methods apply.

TECHNICAL SUPPORT

"**ASPEC**" provides technical support service on mix design, admixture selection, evaluation of trials, dispensing equipment etc. Please contact the Technical Department in these cases.

Cleaning : Spillages of **KUT PLAST MS** can be brushed off with normal brooms or vacuum cleaner.

PACKAGING

KUT PLAST MS is available in 20 kg. bags.

Storage : Shelf life is 12 months. When stored in original packing in dry conditions at moderate temperature. Open bag must be immediately closed back to airtight conditions.



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HEALTH & SAFETY

KUT PLAST MS is non toxic but is mildly alkaline. Gloves should be worn during application. splashes to the skin or eyes should be removed with clean water. In the event of prolonged inhalation, seek medical advice.

Fire : **KUT PLAST MS** is non - flammable.

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